

PATENT COMMISSIONER FOR PATENTS

Washington, D.C. 20231

For Sir:

Transmitted herewith for filing is the patent application of

Inventor(s): **Yasuo Yoshioka and Xavier Serra**For: **CONVERTING APPARATUS OF VOICE SIGNAL BY MODULATION OF  
FREQUENCIES AND AMPLITUDES OF SINUSOIDAL WAVE COMPONENTS**

Enclosed are:

- ☒ 6 Sheet(s) of drawings ( \_\_\_ informal)
- ☒ An assignment of the invention to Yamaha Corporation.
- ☐ An associate power of attorney.
- ☐ A verified statement to establish small entity status under 37 CFR 1.9 and 1.27.
- ☒ Declaration and Power of Attorney.
- ☒ Certified copy of Japan Patent Application No. 9-296050 filed October 28, 1997 from which priority is claimed under 35 USC §119.
- ☒ IDS enclosed. 1 with references.
- ☐ Preliminary Amendment

## CALCULATION OF FEES

ITEM	NO. OF CLAIMS FILED MINUS BASE*	NO. OF CLAIMS OVER BASE	X SM/LG ENTITY FEE	\$ AMOUNT	\$ FEE
A TOTAL CLAIMS FEE	27 - 20* =	7	X \$11 or X \$22	\$154	
B INDEPENDENT CLAIMS FEE**	6 - 3* =	3	X \$41 or X 82	\$246	
C SUBTOTAL - ADDITIONAL CLAIMS FEE (ADD FINAL COLUMN IN LINES A + B)					\$400
D MULTIPLE-DEPENDENT CLAIMS FEE			SMALL ENTITY FEE = \$135 LARGE ENTITY FEE = \$270		\$
E BASIC FEE*			SMALL ENTITY FEE = \$395 LARGE ENTITY FEE = \$790		\$790
F TOTAL FILING FEE (ADD TOTALS FOR LINES C, D, AND E)					\$1,190
F ASSIGNMENT RECORDING FEE				\$ 40	\$40
**LIST INDEPENDENT CLAIMS					

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16-1805 the amount of

**A copy of this letter is  
enclosed.**

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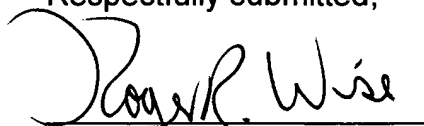
to cover the filing fee is  
enclosed.

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to cover Assignment  
Recordation fee is enclosed.

- X The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 16-1805.
- X Any additional filing fees required under 37 CFR 1.16.
- X Any patent application processing fees under 37 CFR 1.17.
- The Commissioner is hereby authorized to charge payment of the following fees during the pendency of this application or credit any overpayment to Deposit Account No. 16-1805.
- Any patent application processing fees under 37 CFR 1.17.
- The issue fee set in 37 CFR 1.18 at or before mailing of the Notice of Allowance, pursuant to 37 CFR 1.311(b).
- Any filing fees under 37 CFR 1.16 for presentation of extra claims.

Respectfully submitted,



Roger R. Wise  
Reg. No. 31,204

Date: October 27, 1998

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86/201-1201-1033

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: )  
Yasuo Yoshioka, et al. ) Art Unit: Unknown  
Serial No: Unknown ) Examiner: Unknown  
Filed: October 27, 1998 )  
For: CONVERTING APPARATUS OF VOICE )  
SIGNAL BY MODULATION OF )  
FREQUENCIES AND AMPLITUDES OF )  
SINUSOIDAL WAVE COMPONENTS )  
\_\_\_\_\_ )

CERTIFICATE OF MAILING VIA U.S. EXPRESS MAIL

"Express Mail" Mailing Label No. EM432436994US

Date of Deposit: October 27, 1998

Box Patent Application  
Assistant Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

I hereby certify that

- ☒ Letter of transmittal  
☒ check in amount of \$1190 as filing fee  
☒ patent application (33 pages of specification; 27 claims; 1 pages of abstract  
☒ 6 sheet(s) of formal drawings  
☒ executed Declaration and Power of Attorney  
☒ executed Assignment, with Recordation Cover Letter and check in amount of \$40  
☒ 1 certified copy(ies) of Japan patent application(s) from which priority is claimed in the subject case pursuant to 35 USC § 119  
☒ Information Disclosure Statement with 1 references  
☒ return postcard

are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service with sufficient postage under 37 CFR 1.10 on the date indicated above and are addressed to:

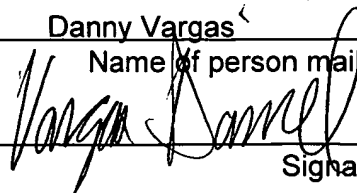
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Assistant Commissioner for Patents  
Washington, D.C. 20231.

October 27, 1998

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#3  
PATENT  
51270-245583

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: ) Art Unit: Unknown  
) Examiner: Unknown  
Yasuo Yoshioka, et al. )  
Serial No: Unknown )  
Filed: October 27, 1998 )  
For: CONVERTING APPARATUS OF VOICE )  
SIGNAL BY MODULATION OF )  
FREQUENCIES AND AMPLITUDES OF )  
SINUSOIDAL WAVE COMPONENTS )

JCS25 U.S. Pat. & Tm. Off.  
09/18/02  
10/27/98

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT**

Asst. Commissioner for Patents  
Washington, D.C. 20213

Dear Sirs:

1. The information disclosure statement submitted herewith is being filed concurrently with the subject application [37 C.F.R. §1.97(b)] and contains no items of information cited in any communication from a foreign patent office in a counterpart foreign application [37 C.F.R. §1.97(e)(1)].
2. If it should be determined that for any reason either an insufficient fee or an excessive has been paid, please charge any insufficiency or credit any overpayment necessary to ensure consideration of the information disclosure statement for the above-identified application to Deposit Account No. 16-1805. A copy of this petition is enclosed.

Respectfully submitted,

PILLSBURY MADISON & SUTRO LLP

Date: October 27, 1998

By: Roger R. Wise  
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